

**To:**

Scott.R.Nicholson@nan02.usace.army.mil;lisa.baron@dot.state.nj.us;Peter.M.Weppler@nan02.usace.army.mil;mick@glec-tc.com;CN=Elizabeth  
Butler/OU=R2/O=USEPA/C=US@EPA;RMcnutt354@aol.com;rr@bbl-inc.com;BFidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us];  
isa.baron@dot.state.nj.us;Peter.M.Weppler@nan02.usace.army.mil;mick@glec-tc.com;CN=Elizabeth  
Butler/OU=R2/O=USEPA/C=US@EPA;RMcnutt354@aol.com;rr@bbl-inc.com;BFidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us];  
eter.M.Weppler@nan02.usace.army.mil;mick@glec-tc.com;CN=Elizabeth  
Butler/OU=R2/O=USEPA/C=US@EPA;RMcnutt354@aol.com;rr@bbl-inc.com;BFidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us]; ick@glec-tc.com;CN=Elizabeth Butler/OU=R2/O=USEPA/C=US@EPA;RMcnutt354@aol.com;rr@bbl-inc.com;BFidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us]; N=Elizabeth  
Butler/OU=R2/O=USEPA/C=US@EPA;RMcnutt354@aol.com;rr@bbl-inc.com;BFidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us];  
Mcnutt354@aol.com;rr@bbl-inc.com;BFidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us]; r@bbl-inc.com;BFidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us]; Fidler@PIRNIE.COM;Edward Demarest [Edward.Demarest@dep.state.nj.us]; dward Demarest [Edward.Demarest@dep.state.nj.us];  
tto@demaximis.com;rlaw@demaximis.com;tim\_kubiak@fws.gov[];  
law@demaximis.com;tim\_kubiak@fws.gov[]; im\_kubiak@fws.gov[]  
**Cc:** Joel.Pecchioli@dep.state.nj.us;llevine@nrdc.org;CN=William  
Sy/OU=R2/O=USEPA/C=US@EPA;jim@hudsonriver.org;apengitore@pvsc.com;reyhan.mehran@noaa.gov;Elizabeth.A.Buckrucker@nwk02.usace.army.mil;Anne.hayton@dep.state.nj.us;janine.macGregor@dep.state.nj.us[]; levine@nrdc.org;CN=William  
Sy/OU=R2/O=USEPA/C=US@EPA;jim@hudsonriver.org;apengitore@pvsc.com;reyhan.mehran@noaa.gov;Elizabeth.A.Buckrucker@nwk02.usace.army.mil;Anne.hayton@dep.state.nj.us;janine.macGregor@dep.state.nj.us[]; N=William  
Sy/OU=R2/O=USEPA/C=US@EPA;jim@hudsonriver.org;apengitore@pvsc.com;reyhan.mehran@noaa.gov;Elizabeth.A.Buckrucker@nwk02.usace.army.mil;Anne.hayton@dep.state.nj.us;janine.macGregor@dep.state.nj.us[];  
im@hudsonriver.org;apengitore@pvsc.com;reyhan.mehran@noaa.gov;Elizabeth.A.Buckrucker@nwk02.usace.army.mil;Anne.hayton@dep.state.nj.us;janine.macGregor@dep.state.nj.us[];  
pengitore@pvsc.com;reyhan.mehran@noaa.gov;Elizabeth.A.Buckrucker@nwk02.usace.army.mil;Anne.hayton@dep.state.nj.us;janine.macGregor@dep.state.nj.us[];  
eyhan.mehran@noaa.gov;Elizabeth.A.Buckrucker@nwk02.usace.army.mil;Anne.hayton@dep.state.nj.us;janine.macGregor@dep.state.nj.us[];  
lizabeth.A.Buckrucker@nwk02.usace.army.mil;Anne.hayton@dep.state.nj.us;janine.macGregor@dep.state.nj.us[];  
anne.macGregor@dep.state.nj.us[];  
**From:** CN=Alice Yeh/OU=R2/O=USEPA/C=US  
**Sent:** Wed 10/12/2005 8:34:40 PM  
**Subject:** Passaic River Sampling: storm event  
<http://www.erh.noaa.gov/ifps/MapClick.php?CityName>Newark&state=NJ&site=OKX>

Dear Sampling Work Group,

I'd like to update you on some sediment transport sampling that we are doing to catch this week's big storm event. The objective is to define how much sediment is suspended and carried downstream by a high flow event. This will be one more piece of information that we can use to assess water column fate and transport and to support model development and calibration.

The sampling is being conducted according to the "Hydrodynamic and Sediment Transport Sampling Plan for 2004-2005" that was sent to you as Attachment 4 of the draft Field Sampling Plan 1 (Apr 2005 draft).

The main difference is that, because of the storm flows and the inclement weather, we are unable to conduct the sampling from boats, as described in the sampling plan. Instead, we are conducting the sampling from the Ackerman Bridge, the Rt. 7 Bridge, and the Jackson Street Bridge.

Given the extremely high flows rushing down the river, we are assuming that the river is relatively well mixed across the channel. So, we are focusing on vertical variation by sampling at multiple depths in a time series. Based on information provided on the NOAA website (<http://www.erh.noaa.gov/ifps/MapClick.php?CityName=Newark&state=NJ&site=OKX>), we are expecting to capture the rising limb of the storm flow (that is, the period of increasing flow prior to the peak, or crest, of the flood event). We are analyzing for total suspended solids (TSS), volatile suspended solids (VSS), and particulate organic carbon (POC).

The team out there today and tomorrow braving the storm to collect these samples consists of Malcolm Pirnie and HydroQual personnel.